

SOIL-BAC™

BIOLOGICAL PLANT GROWTH ACTIVATOR

PRODUCT DESCRIPTION

SOIL-BAC™ is a plant growth activator containing a high concentration of PGPR (plant growth-promoting rhizobacteria) and mycorrhizae designed to increase active biomass in the soil to ensure healthy growth. Soil bioaugmentation with SOIL-BAC™ promotes crop productivity and healthy turf growth by promoting organic matter decomposition and increasing nutrient availability in soil, among other beneficial activities.

A premium version (SOIL-BAC™ Premium) boosts nitrogen availability by including a special microorganism capable of atmospheric nitrogen fixation independent of a symbiotic relationship with plants. This product offers an advantage in spring before vegetation begins to grow.

PACKAGING AND STORAGE

Available in bulk, water-soluble pouches (200 x 56 g, 400 x 28 g, 40 x 250 g), and custom packaging.

Store in a cool, dry location. Packaging must be kept intact, dry, and away from sunlight. Please follow the recommendations and use the product before the best before date. Contact Bionetix® with questions. Avoid inhalation and eye contact. Avoid excessive skin contact.



FEATURES AND BENEFITS

- Contains beneficial bacteria, mycorrhizae, nutrients, trace minerals, and vitamins
- Helps to digest debris, improve soil structure, and increase soil fertility
- Decomposes organic matter and pesticide residues
- Promotes plant growth
- Increases nutrient availability and facilitates absorption
- Helps to solubilize phosphorus
- Helps fixate atmospheric nitrogen (SOIL-BAC™ Premium includes both symbiotic and free-living—non-symbiotic—bacteria capable of fixing atmospheric nitrogen)
- Reduces likelihood of turf disease

TYPICAL APPLICATIONS

- Lawns
- Golf courses
- Sports fields
- Farms

SPECIFICATIONS

Description	Beige powder
Stability	Max. loss of 1 log/yr
pH (1% Solution)	5.0-8.0
Bacteria Count	5 billion CFU/g, custom concentrations available

APPLICATION INSTRUCTIONS

Rates –

- **Greens, Tees, and Farm Fields** – Apply 28-56 g per 10 m². Use full strength on sand-based soils. (Please see “Specifics” below for more details.)
- **Fairways and Sport Fields** – Apply 7-15 g per 10 m². Application may be split to fit within a spraying schedule.

Specifics – Eight applications throughout the season are recommended. Applications should begin in the spring when the ground temperature has reached 15-24 °C. During high stress periods, the rate and/or frequency of applications should be increased. Increasing the rate and frequency of SOIL-BAC™ applications will provide the turf system with added benefits. You cannot over apply this product.

Avoid pesticide applications within 48 hours of applying product. SOIL-BAC™ is best applied in the early morning or evening, or on a cloudy day. Exposure to extended periods of UV light may reduce the efficacy of this product. Clean sprayer with a tank cleaner prior to each application.

SOIL-BAC™ can be applied in the field using a sprayer or irrigation system. To prepare solution, mix 1 part of SOIL-BAC™ with 100 parts of water. Do not store the solution; it must be used within 3 hours of mixing.

Frequency – Apply every 2-4 weeks.

For further information on application, contact your Bionetix® technical representative.

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